



## DoD Global Influenza and Other Respiratory Viral Pathogens Week 47 (21 Nov – 27 Nov) Weekly Surveillance Report



### SUMMARY:

NOTE: Starting this week, influenza reports will use 3 October 2004 (week 40; the official start of the 2004-05 flu season), rather than 1 June 2004, as the beginning date for the cumulative data total, as we now have sufficient baseline data for the current season.

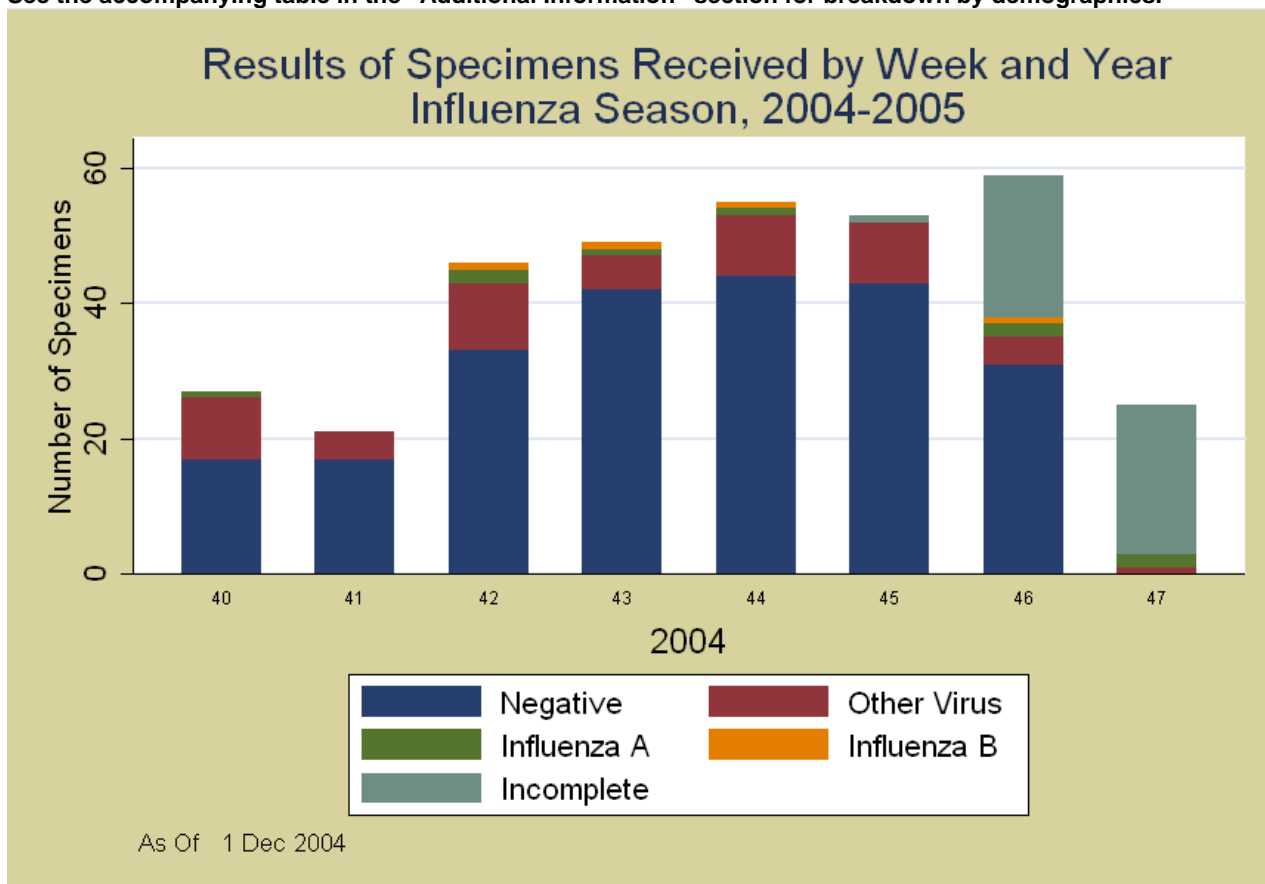
### Number of new isolates for Week 46: **1 Influenza A; 0 Influenza B**

The influenza A isolate is from Elmendorf AFB.

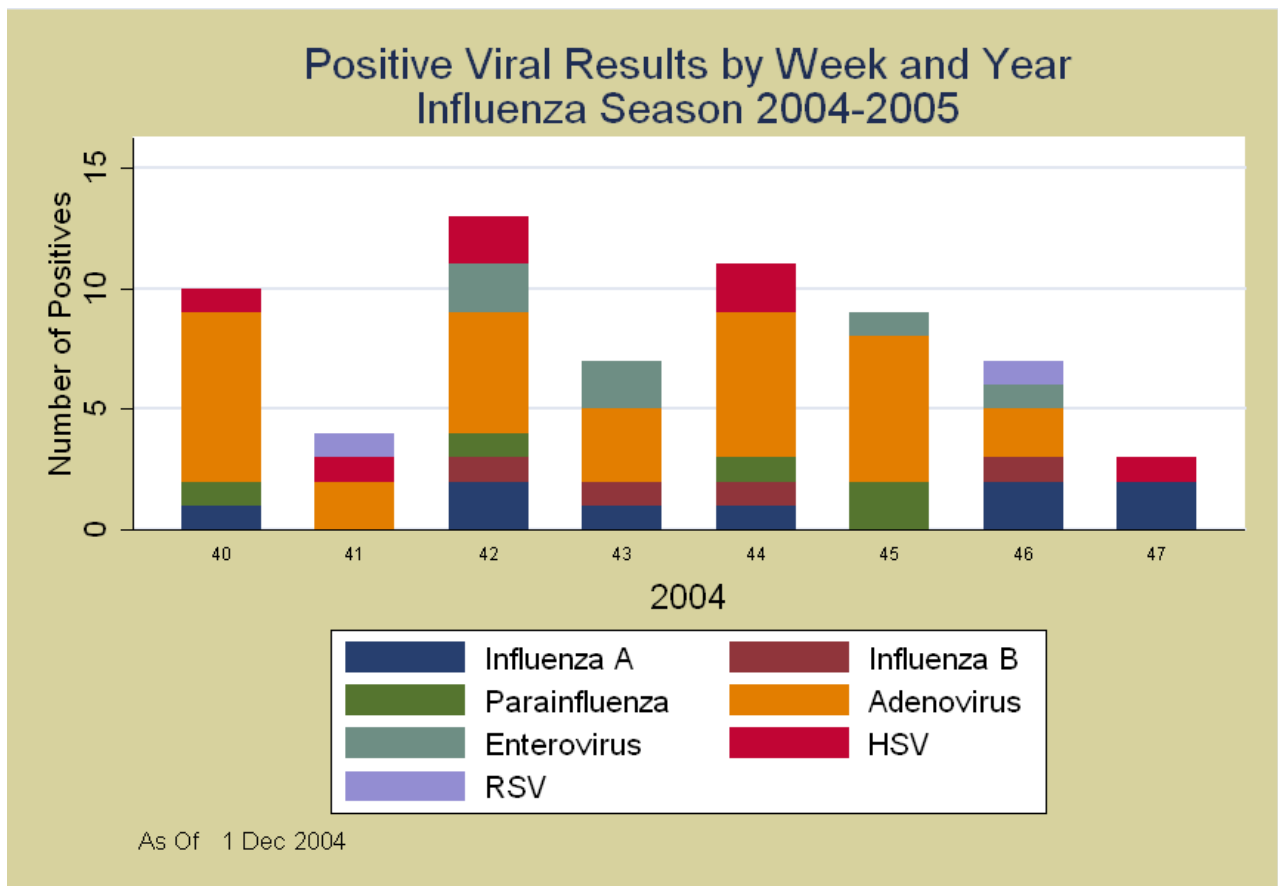
Since **3 October 2004**, the Epidemiological Surveillance Division (AFIOH/SDE) has processed 292 specimens as part of the influenza surveillance program. Of those specimens, 9 (3%) were positive for influenza A and 4 (1%) were positive for influenza B.

In addition, 44 specimens are still being processed.

See the accompanying table in the “Additional Information” section for breakdown by demographics.



## OVERALL DOD RESPIRATORY VIRAL SURVEILLANCE:



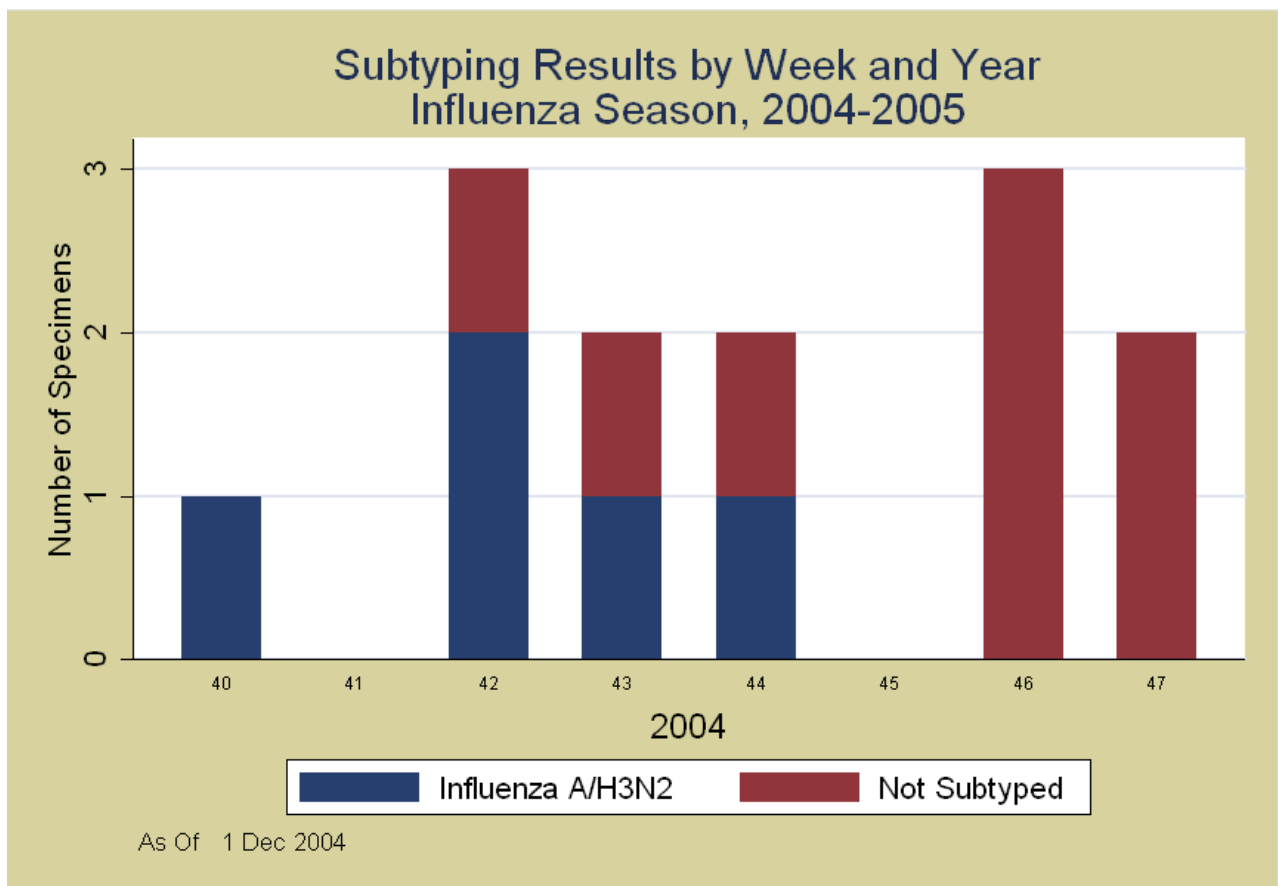
Note: Graphs do not include data from the NHRC, which conducts Febrile Respiratory Illness (FRI) surveillance among recruit populations. NHRC compiles this data into a separate report. For more information, visit the NHRC website at <http://www.nhrc.navy.mil/geis/>

## SUBTYPING:

Since **3 October 2004**, we have subtyped 5 isolates using either polymerase chain reaction (PCR) or hemagglutination-inhibition (HI). The following table and graph summarize overall subtyping results. Subtyping results for individual bases can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/>

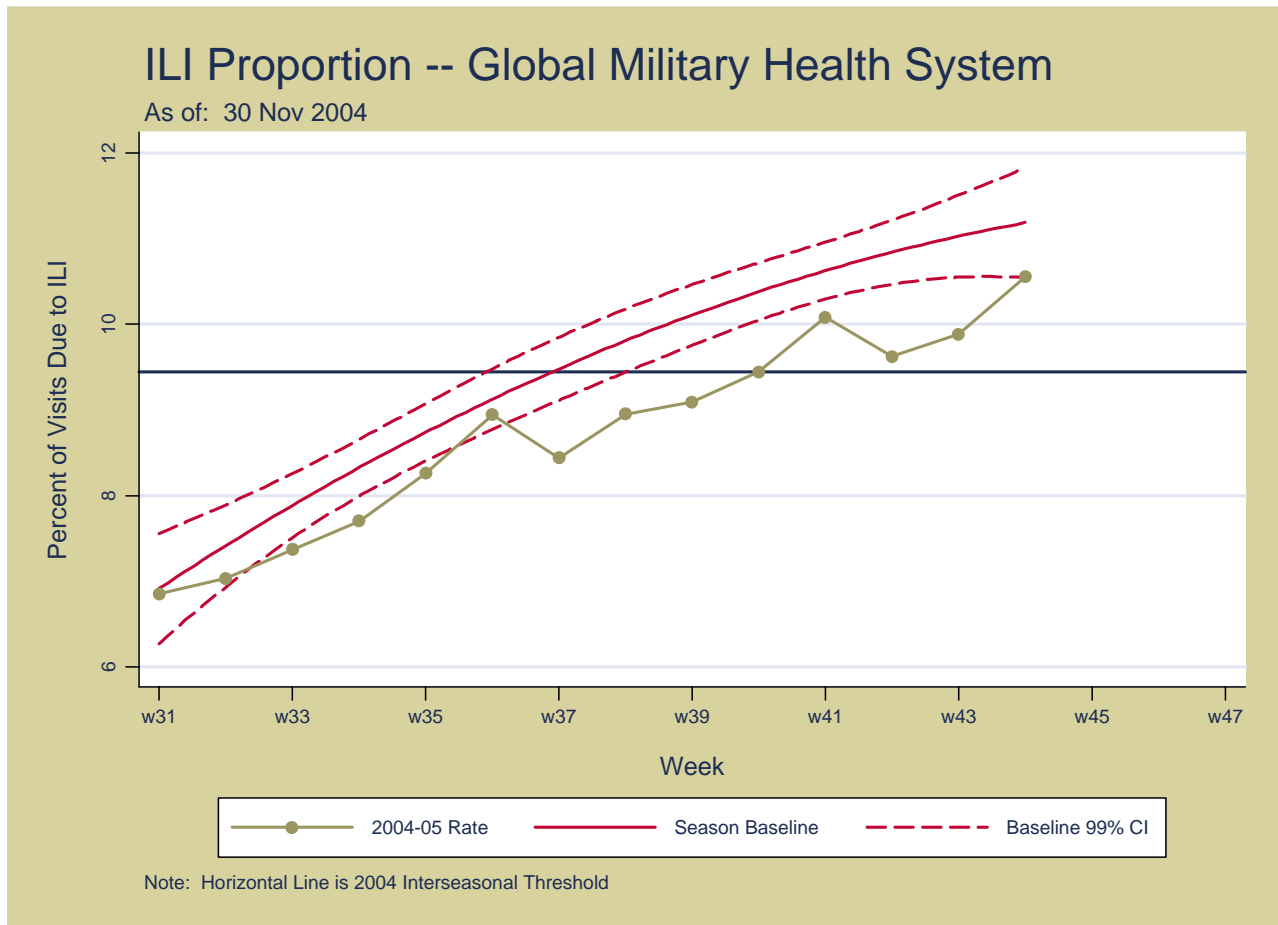
Subtype Result	Cumulative Total
Influenza A/H3N2	5
Influenza A (subtype pending)	4
Influenza B/Sichuan-like	0
Influenza B/Hong Kong	0
Influenza B (subtype pending)	4



## INFLUENZA-LIKE ILLNESS:

This graph plots the percentage of weekly outpatient visits at military installations that had an ICD-9 code for Influenza-Like Illness. Visit and coding data were taken from ESSENCE. A seasonal baseline and 99% confidence intervals are included for comparison. The baseline was calculated from ESSENCE data for the previous 2 years.

**Note: ESSENCE does not currently have ILI data past week 44.**



Graphs for individual bases and regions can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/ILChartsform.cfm>

## NATIONAL INFLUENZA ACTIVITY: CDC

<http://www.cdc.gov/ncidod/diseases/flu/weeklychoice.htm>

During week 46 (the latest report available), CDC reported a low level of influenza activity in the United States. Laboratory surveillance identified 36 specimens (3.2%) positive for influenza. Of these, 9 were influenza A (H3N2), 18 were influenza A (not subtyped), and 9 were influenza B. Alaska and Delaware reported widespread activity, and New York and New York City reported regional activity. Thirty-one states and the District of Columbia reported sporadic influenza activity, and 14 states had no activity.

## INTERNATIONAL INFLUENZA ACTIVITY: WHO

<http://www.who.int/GlobalAtlas/DataQuery/home.asp>

Week in review: **Week 47**

*South America:* Currently no activity.

*Asia:* China and Japan reported sporadic activity.  
*Europe:* Belgium and Ukraine reported sporadic activity.  
*North America:* The USA reported a local outbreak.  
*Africa:* Currently no activity.

#### ADDITIONAL INFORMATION:

- **Avian Influenza Update:** As of 29 October, WHO had no further reports of human cases on their website.

Please direct any questions or comments to: [influenza@brooks.af.mil](mailto:influenza@brooks.af.mil)

#### DEMOGRAPHIC SUMMARY:

**Table 1. Influenza Isolates by Sentinel Site**

# POSITIVES SUBMITTED BY SENTINEL SITES	New Isolates		Cumulative (since 3 October 2004)		
	A	B	A	B	Specimens Submitted
Al Udeid AB, Qatar	0	0	0	0	1
Andersen AFB, Guam	0	0	3	0	4
Andrews AFB, MD	0	0	0	0	2
Aviano AB, Italy	0	0	0	0	2
Bremerton NS, WA	0	0	0	0	3
CGS Ketchikan, AK	0	0	0	0	0
Elmendorf AFB, AK	1	0	3	0	8
McGuire AFB, NJ	0	0	0	0	3
Ganci AB, Kyrg	0	0	0	0	0
Incirlik AB, Turkey	0	0	0	0	0
Kadena AB, Japan	0	0	0	0	1
Kunsan AB, Korea	0	0	0	0	1
RAF Lakenheath, UK	0	0	0	0	19
Landstuhl RMC, Germany	0	0	0	0	0
Maxwell AFB, AL	0	0	0	0	1
Misawa AB, Japan	0	0	0	0	8
NAB Little Creek, VA	0	0	0	0	3
NS Pearl Harbor/Hickam, HI	0	0	0	0	0
NH Yokosuka, Japan	0	0	0	0	1
NMC San Diego, CA	0	0	0	0	0
Osan AB, Korea	0	0	0	0	4
Ramstein AB, Germany	0	0	0	0	6
Scott AFB, IL	0	0	0	0	35
Sheppard AFB, TX	0	0	0	0	71
Travis AFB, CA	0	0	0	0	6
Tripler AMC, HI	0	0	1	3	4
US Air Force Academy, CO	0	0	0	1	4
Yokota AB, Japan	0	0	0	0	2
<b>TOTALS for SENTINEL SITES</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>4</b>	<b>189</b>

**Table 2. Influenza Isolates by Overseas Labs**

# POSITIVES SUBMITTED BY OVERSEAS LABS	New Isolates		Cumulative (since 3 October 2004)		
	A	B	A	B	Specimens Submitted
AFRIMS, Thailand	0	0	0	0	0
AFRIMS, Nepal	0	0	0	0	0
NMRC-D, Peru	0	0	0	0	0
NMRC-D, Nicaragua	0	0	0	0	0
<b>TOTALS for OVERSEAS LABS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Table 3. Respiratory specimens received**

Location	Total # of Specimens Received	
	Current Week	Cumulative*
ALL SITES	29	327
NORTH AMERICA	20	246
PACOM	6	48
EUCOM	3	32
CENTCOM	0	1
SOUTH AMERICA	0	0

+Comments: \*Received since 3 October 2004.

**Table 4. Summary of Results of Recently Processed Specimens**

Location	Results of Specimens Processed during current week*				
	Negative	Influenza A	Influenza B	Adenovirus	Other
ALL SITES	66	5	3	3	3*
NORTH AMERICA	55	0	0	3	2
PACOM	4	5	3	0	1
EUCOM	7	0	0	0	0
CENTCOM	0	0	0	0	0
SOUTH AMERICA	0	0	0	0	0

Comments: \* specimens were **received** in months of October and November

\*\* 1 HSV, 1 Enterovirus, 1 RSV

## DEMOGRAPHIC GRAPHS :

